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#### REPORT OF THE FEDERAL HORTICULTURAL BOARD.

United States Department of Agriculture, Federal Horticultural Board, Washington, D. C., September 17, 1915.

Sir: I submit herewith an executive report covering the administration of the plant quarantine act for the fiscal year ended June 30, 1915.

Respectfully,

Hon. D. F. Houston, Secretary of Agriculture. C. L. Marlatt, Chairman of Board.

#### FEDERAL PLANT QUARANTINE ACT.

Under the Federal plant quarantine act of August 20, 1912, the entry of foreign nursery stock and other plants and plant products into the United States is regulated, and domestic and foreign quarantines on account of plant diseases and insect pests are established and maintained.

#### ADMINISTRATION AND PERSONNEL.

#### FEDERAL HORTICULTURAL BOARD.

The personnel of the Federal Horticultural Board, which administers the act, is as follows: C. L. Marlatt, chairman, Bureau of Entomology; W. A. Orton, vice chairman, Bureau of Plant Industry; George B. Sudworth, Forest Service; W. D. Hunter, Bureau of Entomology; Karl F. Kellerman, Bureau of Plant Industry. R. C. Althouse, secretary of the board, has charge of the administrative office.

#### FEDERAL AND STATE INSPECTION SERVICE.

The Federal and State inspection service remains substantially the same as last year, the Federal work having been under the charge of Mr. E. R. Sasscer and Mr. R. Kent Beattie. The number of State expert inspectors appointed as collaborators remains substantially the same as last year. Mr. H. B. Shaw remains as permanent inspector at the port of New York, where the great bulk of the nursery stock and other plant importations enters. His duties relate particularly to the inspection of plant importations from countries without inspection service and the inspection of potatoes and avocados offered for entry under the regulations requiring inspection.

Some minor work of an emergency character has been necessary in

foreign countries in connection with foreign quarantines.

Similar field examinations and investigations have been necessary in connection with some of the domestic quarantines. This work has

been, for the most part, done in cooperation with the Bureaus of Entomology and Plant Industry by special expert agents detailed from these bureaus.

#### COOPERATION WITH OTHER DEPARTMENTS.

The enforcement of the foreign quarantines has been greatly facilitated by the continued cooperation on the part of the State Department and the Treasury Department, and the machinery of the Post Office Department was utilized in the enforcement of both the foreign and domestic quarantines.

It is very gratifying to note that the strict compliance by postmasters with the order of the Post Office Department to return to the country and place of origin as prohibited all plants for propaga-tion sent by mail has had a very salutary effect. Such sendings are becoming less and less frequent, thus closing a very important avenue of danger of introduction of plant pests.

At the request of this department the mails have also been closed

to the importation of raw cotton lint.

## LEGISLATION PROVIDING FOR TERMINAL INSPECTION OF INTERSTATE MAIL SHIP-MENTS OF PLANTS AND PLANT PRODUCTS.

There was incorporated in the agricultural appropriation act for the fiscal year 1916, following the appropriation for the enforcement of the plant quarantine act, legislation providing, under certain conditions, for terminal inspection of plants and plant products transmitted interstate through the mails. No appropriation is made by Congress for this purpose and all expenses arising thereunder are to be paid by the States invoking the benefits of the provision. This legislation will enable a State to control plant diseases and insect pests contained in mail shipments of plants from without the State. Heretofore, while a State could protect itself by quarantining against plants and plant products of other States so far as shipments by freight or express of these articles was concerned, the mails left an avenue for the entry and distribution without inspection of the quarantined articles. The danger from this source was greatly increased by the advent of the parcel post.

Any State wishing to take advantage of this new legislation must establish and maintain a terminal inspection service of plants and plant products at one or more places therein. A list of plants and plant products and the plant pests transmitted thereby, which in the opinion of the proper officials of a State should be subject to terminal inspection in order to prevent the introduction and dissemination in said State of pests injurious to agriculture, is to be submitted to the Secretary of Agriculture. Upon his approval of said list, in whole or in part, the Secretary of Agriculture shall transmit the list as approved to the Postmaster General, and thereafter all packages containing any plants or plant products named in said approved list shall, upon payment of postage therefor, be forwarded by the postmaster at the destination of said package to the proper State official at the nearest place where inspection is maintained. If the plant or plant products are found upon inspection to be free from injurious pests, or, if infected, shall be disinfected by said official, they shall, upon payment of postage therefor, be returned to the postmaster at the place

of inspection to be forwarded to the person to whom they are addressed; but if found to be infected with injurious pests and incapable of satisfactory disinfection, the State inspector shall so notify the postmaster at the place of inspection, who shall promptly notify the sender of said plants or plant products that they will be returned to him upon his request and at his expense, or, in default of such request, that they will be turned over to the State authorities for destruction. The act requires all such packages to be plainly marked, so that their contents may be readily ascertained by an inspection of the outside thereof. Whoever fails to so mark said packages shall be punished by a fine of not more than \$100. Rules and regulations for carrying out the purposes of the above act have been prescribed by the Postmaster General. The State of California, which was particularly active in securing this legislation, was the first one to take advantage of its provisions. At least one other State is contemplating similar action.

#### REVIEW OF THE WORK OF THE YEAR.

#### NEW PLANT QUARANTINES AND RESTRICTING ORDERS.

The domestic and foreign quarantines, described below, are additional or supplementary to the quarantines reported last year.

#### FOREIGN QUARANTINES.

FOREIGN POTATO QUARANTINE.—Amendment 5, promulgated November 30, 1914, to Quarantine No. 11, eliminates the Dominion of Canada from the provisions of Quarantine No. 11, and provides for the importation from the Dominion of Canada of potatoes free from potato wart and powdery scab, in accordance with the regulations prescribed under the order of the Secretary of Agriculture of December 22, 1913, governing the admission of foreign potatoes under restriction.

CITRUS NURSERY STOCK QUARANTINE.—Quarantine No. 19, promulgated December 10, 1914, forbids the introduction into the United States of all citrus nursery stock, including buds, scions, and seeds, from all foreign countries and localities, to prevent the further introduction into the United States of citrus canker and other dangerous citrus diseases.

PINE QUARANTINE.—Quarantine No. 20, promulgated March 1, 1915, forbids the importation into the United States on and after July 1, 1915, of all pines from all European countries and localities, to prevent the further introduction into the United States of the European pine-shoot moth (Evetria buoliana).

Indian corn Quarantine.—Quarantine No. 21, promulgated March 8, 1915, forbids the importation into the United States of all Indian corn from Java and India, and Oceania except Australia and New Zealand, to prevent the introduction into the United States of a serious disease of Indian corn known as Sclerospora maydis.

#### DOMESTIC QUARANTINES.

MEDITERRANEAN FRUIT FLY AND MELON FLY QUARANTINE.—Amendment 1, promulgated April 2, 1915, to Quarantine No. 13, provides for the posting, at designated places, of a circular to be furnished by

the United States Department of Agriculture, calling attention to the provisions of the plant quarantine act, Quarantine No. 13, and the regulations prescribed therein.

Powdery scab of potato.—Quarantine No. 18, promulgated November 14, 1914, regulates the movement of potatoes from Clinton and Franklin Counties, N. Y., on account of the occurrence in these counties of the dangerous potato disease known as powdery scab (Spongospora subterranea). This quarantine order supplements Notice of Quarantine No. 14, issued April 25, 1914, designed to prevent the further distribution in the United States of powdery scab from certain portions of the State of Maine. The regulations governing the interstate movement of potatoes from areas quarantined for powdery scab, issued under the latter quarantine order, apply also to the area quarantined in the State of New York. These quarantines are administered under a special appropriation, providing for cooperation on the part of the States concerned.

GIPSY MOTH AND BROWN-TAIL MOTH QUARANTINE.—Quarantine No. 22, promulgated May 20, 1915, was originally issued November 5, 1912, as Quarantine No. 4, and has been revised and amended annually to include the new territory invaded by the gipsy moth and the brown-tail moth. This quarantine describes the districts in New England infested by the two moths named, and prohibits the movement in interstate commerce of plants and plant products except in accordance with the regulations prescribed therein. The spread of the brown-tail moth during the year was so slight that it was found unnecessary to extend the quarantine line on account of this insect. The gipsy moth, on the contrary, extended its range considerably, its principal spread, fortunately, being northward and eastward.

Hitherto the interstate shipment of Christmas trees and Christmas greens from the area infested with the gipsy moth to points outside the quarantined area was prohibited, owing to the extreme difficulty of making a thorough inspection of products of this character and the fact that an abundant supply was available outside of the gipsymoth territory. Now that the gipsy-moth quarantine line has been considerably extended, and at the earnest and insistent request of Christmas-tree merchants and certain other interests, it was decided to give the shipment of such products a trial next season, and the regulations under the above quarantine order have been amended to provide for the inspection and certification for shipment of Christmas trees and greens.

As in former years, the cost of administering this quarantine was paid out of the special appropriation for preventing spread of moths,

granted to the Bureau of Entomology.

HAWAHAN COTTON.—Quarantine No. 23, promulgated June 11, 1915, forbids the movement from Hawaii into or through any other State, Territory, or District of the United States of raw or unmanufactured cotton lint except in accordance with the regulations prescribed therein, with the object of preventing the introduction into the continental United States of the pink bollworm (Gelechia gossy-piella).

#### ORDER RESTRICTING THE ENTRY OF COTTON LINT.

Under the authority contained in section 5 of the plant quarantine act an order placing restrictions on the importation of cotton lint into the United States, and regulations governing the importation of cotton lint under said order, were issued April 27, 1915. The object of this order is to prevent the entry into the United States with raw cotton of the pink bollworm and other injurious insects. In my report last year reference was made to the finding of living larvæ of the pink bollworm in seed contained in baled Egyptian cotton and of the consequent danger of the unrestricted use of such cotton. The regulations provide for the entry at northern ports only of foreign cotton under permit and for a system of notifications which enables the board to keep track of all imported cotton until it is consumed. No person, firm, or corporation is allowed to purchase, use, or store foreign cotton until a license therefor has been secured from the Secretary of Agriculture, and all licensees agree to fully comply with the requirements of the regulations, including the screening of all windows and other openings in the warehouse, opening and picker rooms, and the burning at the close of each day of all picker waste and

In addition to the precautions which are now being taken, all cotton arriving in this country on and after February 1, 1916, must be disinfected at port of entry by fumigation with hydrocyanic-acid gas in a vacuum, under the supervision of an inspector of the Department of Agriculture, before it will be released. Extensive experiments have demonstrated that such fumigation is entirely practicable and thoroughly effective in destroying all contained insect life, the gas penetrating to the innermost parts of the bale. Tests of yarn and fabric made from cotton so treated failed to show any injurious effect whatever as a result of this treatment.

Subsequent to the discovery of the occurrence of infested seed in baled Egyptian cotton, cotton importers and cotton manufacturers have heartily cooperated with the department in its effort to prevent the establishment of the pink bollworm in the United States, and during the past year practically every mill using foreign cotton has, at the suggestion of this department, been burning the picker waste from such cotton.

The cotton-lint regulations referred to above do not apply to the States of Nuevo Leon, Coahuila, Durango, Chihuahua, Tamaulipas, and Lower California, Mexico.

#### NURSERY-STOCK IMPORTATIONS.

There has been no material change in the system of control of imported nursery stock established in the first year of the enforcement of the plant quarantine act.

#### FOREIGN COUNTRIES MAINTAINING INSPECTION SERVICE.

The following countries have provided for inspection and certification in conformity with the regulations under the plant quarantine act:

Australia. Ireland. New Zealand. Barbados. Italy—Province of Padova Philippine Islands. Belgium. (Padua) only. Scotland. Bermuda. Jamaica. Union of South Africa. British Guiana. Japan. Spain. Canada. Leeward Islands: Straits Settlements. Cuba. Antigua. Switzerland. Denmark. St. Christopher-Nevis. Trinidad. England. Dominica. Wales. France. Montserrat. Windward Islands: Germany Virgin Islands. Granada. Grand Duchy of Luxem-Guatemala. St. Lucia. St. Vincent. Holland. burg.

This list includes practically all of the countries which have hitherto maintained any considerable commercial trade in nursery stock with the United States. Any other country may obtain the privilege of commercial exportation to the United States by providing an inspection service.

Both importers and exporters of nursery stock generally have made an honest effort to comply with the law and to meet all of its requirements, and in only a few instances has it been necessary to return shipments of nursery stock or to destroy the stock on account of infestation.

DISTRIBUTION OF IMPORTED NURSERY STOCK, BY STATES.

The following table indicates the distribution, by States, of nursery stock imported during the fiscal years 1913–14 and 1914–15:

Distribution of imported nursery stock, by States.

a	Number of cases.		QL.L.	Number of cases.	
State.	1914-15	1913–14	State.	1914-15	1913-14
labama	241	125	Montana	20	* 2
rizona		4	Nebraska	217	14
rkansas	95	11	Nevada	1	
alifornia	3,357	1,929	New Hampshire	53	5
olorado	150	152	New Jersey	8,829	10, 45
onnecticut	1,372	1,432	New Mexico		
elaware	40	38	New York	12,669	12,36
District of Columbia 1	549	562	North Carolina	80	16
lorida	2,461	56	North Dakota	12	
eorgia	228	196	Ohio	3,374	3,06
lawa11	20	4	Oklahoma	15	1
daho	5	9	Oregon Pennsylvania	480	56
llinois	3,316	3,942	Pennsylvania	6,556	9,30
ndiana	569	545	Rhode Island	741	60
owa	1,066	394	South Carolina	. 39	4
ansas (north)	51	49	South Dakota	16	1
ansas (south)	292	286	Tennessee	197	20
Kentucky	320	352	Texas	139	18
outsiana	400	416	Utah	27	3
faine	42	51	Vermont	24	2
Iaryland	756	553	Virginia	354	33
lassachusetts	4,221	5,115	Washington	403	48
Iichigan	1,562	1,232	West Virginia	87	10
linnesota	701	528	Wisconsin	430	33
lississippi	23	35		X - 400	
Iissouri	592	676	Total	57, 192	57, 52

<sup>&</sup>lt;sup>1</sup> In addition to the commercial shipments referred to above, some 1,800 departmental importations for scientific purposes have been inspected by inspectors of the Federal Horticultural Board.

Country of origin and classes of plants and seeds imported during the year ended June 30, 1915. COUNTRY OF ORIGIN AND NATURE OF NURSERY-STOCK IMPORTATIONS.

Country.	Fruit troos.	Fruit-tree	Grape-	Bush	Rosos.	Rose	Forest and ornamental	Ornamental deciduous	Conifer-	Pines.	Ever-	Ever-	Field- grown	Stocks, cuttings,	Tree
							troes.	shrubs.	pines.		trees.	shrubs.	stock.	lings.	enooc
Argentine Republic.							12								Pounds.
Australia							es.					30	7,776	324	2,992
	22		10		12						1	44	5		7,367
<del>:</del>	197			63	3,899		5,080	31,744	53,344		15,217	860,523	143,617	405	1
• •								T) OOT	00				4,930		254,001
Canada	897	225		447	325		41	503	197			25	202		545
Colombia													73,420		
			က		99 444			4,000				2	1, 131, 511		95
	16,974 3,662,119	3, 750 21, 506, 165	351	94, 629 70, 136	285, 290 235, 080	2, 823, 100 2, 409, 049	23,525	2, 509 14, 377 2, 733, 630	253, 849 699, 398	12,442	23, 737	45,688 510,938	115,977	1,212	40,053
Grand Duchy of	28			40		2,000	111,550	5, 557					1,351		821
Guatemala	103 518	135 400	406	11 211	4,000	154 840	066 606	070 407	000 000	200	10000		4,107	3,000	
Honduras					,	010 (101	000, 270	101,213	000,000	00, 110	00,01.4	1, 201, 909	210,032	400, 010	2
Hungary					15							1 200			
reland					98,186	100,000	35				9	1, 500 9	622	41	2
famaica	QC.		06/		7.7	20,000	ī.	8,000	20				15	346	612
Japan Leeward Islands	37,167	132	30	53	12		41,105	15,171	11,202	2,712	7,507	8,341	96,621	4,753	1,325
Mexico	200						100	2	1		90	9	241		00.00
New Zealand								9,000	T, 000		700	100	13,735		0,010
Norway					1								61		154
PanamaPhilippine Islands			:								:		11,760		
Scotland	301		105	15,401	14,100	300,025	1,375	3,109	5,500		1,066	2,743	1,793		
Switzerland	12.				N			7	18		10	464			
Venezuela								ī,					6,866	4,092	
	891 874	91 645 679	61 079	109 056	2 518 560	A 10 000 E	1 000 000					. 1	00, 200		

### RESULTS OF STATE AND FEDERAL INSPECTION OF IMPORTED PLANTS AND PLANT PRODUCTS.

As the result of State and Federal inspection the following pests were intercepted during the year: Egg masses, of the gipsy moth were taken on six different occasions on stock received from Belgium, Holland, and Japan. Nests of the brown-tail moth were detected on three consignments of nursery stock, one from Ireland and two Puparia of the European tussock moth (Notolophus from France. antiqua) have been frequently collected on stock from France and The European pine-shoot moth (Evetria buoliana), which is a serious enemy to pine forests in Europe, has been detected on pine seedlings from Holland on no less than 23 different shipments. A closely related species, E. resinella, has also been taken on pine seedlings from Holland. Citrus stock from Brazil was found infested with one of the white flies, Aleurothrirus floccosa, which is not as yet established in the States. The same material was also infested with an undescribed chaff scale (Parlatoria sp.). Citrus cuttings from the Philippine Islands exhibited a thick infestation of the black chaff scale (Parlatoria zizyphus). An undescribed Aonidia was found thickly infesting the upper surface of the foliage of "cambuca" (Myrciaria plicato-coatata) from Brazil. Yams from the Philippine Islands exhibited a severe infestation with the tuber scale (Targionia hartii). Larvæ of what appeared to be one of the potato weevils, Rhigopsidius tucumanus, referred to in last year's report, were again found in potatoes from Peru.

Pear seedlings from France have been found thickly infested

with the European pear scale (Epidiaspis piricola).

Avecado seed from Guatemala, imported under special permit, were found to be riddled with galleries made by the larvæ of a species

of weevil (Conotrachelus sp.).

In addition to the above, many insects of greater or less importance have been taken on plants of various descriptions. In all, some 165 species of insects have been reported on imported stock during the

past year.

A single infection of the common scab (Oospora scabies) was discovered on potatoes from Canada. Potatoes from Canada were also found to be affected with Rhizoctonia and silvery scurf (Spondylocladium atrovirens). Powdery scab (Spongospora subterranea) was detected by inspectors of the State of Washington on potatoes from British Columbia.

Citrus canker was discovered on four shipments of citrus bud wood and on a collection of citrus herbarium material from the Philippine Islands. These interceptions were particularly fortunate in view of the fact that a part of the shipments were destined to go to citrus regions of California. Four shipments of citrus were found infected with wither tip (Colletotrichum glæosporioides), three of which were received from the Philippine Islands and one from Japan. Melanose (Phomopsis citri) was detected by the California authorities on citrus from Japan. Kudzu from Japan was found to be affected with a rust known scientifically as Woroninella puerariæ.

In addition to the above, it was possible to identify the causal organism of some 85 specific diseases entering on imported stock.

#### REGULATORY INVESTIGATIONS.

#### FOREIGN INVESTIGATIONS.

The exigency created by the discovery of living larvæ of the pink bollworm in seeds of cotton contained in bales of imported Egyptian cotton, referred to in preceding pages, made it essential for this board to have additional information in regard to the life history of the pink bollworm and its damage to cotton and other plants. Early in May, 1915, an entomological assistant of the Bureau of Entomology was commissioned to go to the islands of Oahu and Hawaii to secure first-hand information on these points. Information furnished by him relative to the ability of the larva to easily penetrate closely woven cloth has already resulted in amending the Regulations Governing the Importation of Cotton Lint into the United States by eliminating the requirement that broken bales be patched at port of entry.

A number of permits were issued in the early summer of 1915 for the importation of potatoes from British Columbia, as the Department had information to the effect that the western coast of Canada was free from powdery scab. Notwithstanding this information, several suspicious looking imported potatoes, forwarded to Washington by our inspector at Seattle, proved to be infected with this disease. A scientific assistant of the Bureau of Plant Industry, then stationed at Jerome, Idaho, was authorized to proceed to British Columbia to determine, if possible, the source of the diseased potatoes. He found powdery scab at a number of places in British Columbia, and as a consequence all permits to import potatoes were promptly

revoked.

#### DOMESTIC INVESTIGATIONS.

The investigations necessary to the determination of quarantine lines and as a basis for proper regulatory action in connection with domestic quarantines have been conducted in cooperation with the Bureau of Plant Industry in relation to the potato quarantine, and in cooperation with the Bureau of Entomology in relation to the moth quarantine in New England. No special investigations were necessary in relation to any of the other domestic quarantines.

#### LIST OF PLANTS AND PLANT PRODUCTS COVERED BY QUARANTINE.

The following is a list of the plants and plant products now under quarantine in accordance with the various notices of quarantine

issued up to June 30, 1915:

Irish potatoes from Newfoundland, the islands of St. Pierre and Miquelon, England, Scotland, Wales, Ireland, and continental Europe, except Denmark and part of the Netherlands. The quarantine is still in force against the Provinces of Drenthe and Groningen in the Netherlands. There are no restrictions on the entry of foreign potatoes into the island of Porto Rico.

Irish potatoes from the States of Maine and New York, except under

rules and regulations prescribed.1

Cotton seed (including seed cotton) of all species and varieties and cottonseed hulls from all foreign localities and countries except the States of Neuvo Leon, Tamaulipas, Coahuila, Durango, Chihuahua, and Lower California, Mexico. Cotton seed (including seed cotton) of all species and varieties from the Mexican States mentioned may be imported under permit and bond for manufacturing purposes only. No restriction is placed on the use of cottonseed hulls imported from said States, or which may be obtained from cotton seed imported from said States.

Cotton seed and cottonseed hulls from Hawaii.

Seeds of the avocado or alligator pear from Mexico and the countries of Central America.

Oranges, sweet limes, mangoes, Achras sapotes, peaches, guavas, plums, and grapefruit, and their horticultural varieties, from Mexico.

All citrus nursery stock, including buds, scions, and seeds, from all

foreign localities and countries. The term "citrus" as used here includes all plants belonging to the subfamily or tribe Citratæ.

Any fruit or vegetable from Hawaii upon which the Mediterranean fruit fly or the melon fly breeds, or which, from proximity of growth or the requirement of packing and shipping, may carry infestation, including alligator pears, bananas, carambolas, Chinese ink berries, Chinese oranges, Chinese plums, coffee berries, cucumbers, damson plums, eugenias, figs, grapes, grapefruit, green peppers, guavas, kamani nuts, kumquats, limes, loquats, mangoes, mock oranges, mountain apples, melons, Natal or Kafir plums, oranges, papayas, peaches, persimmons, pineapples, prickly pears, rose apples, star apples, string beans, squashes, and tomatoes, except that bananas and pineapples may be moved from the Territory of Hawaii in manner or method or under conditions prescribed in the regulations of the Secretary of Agriculture.

Cotton lint from Hawaii may be shipped to the continental United States only in accordance with the regulations prescribed in the notice

of quarantine.

Living canes of sugar cane, or cuttings or parts thereof, from all foreign countries and from Hawaii and Porto Rico. There are no restrictions on the entry of such material into Hawaii and Porto Rico.

Indian corn from Java and India and Oceania, except Australia

and New Zealand.

All five-leafed pines 1 from Europe and Asia.

Date palms or date-palm offshoots from Riverside County, Cal., east of the San Bernardino meridian; Imperial County, Cal.; Yuma, Maricopa, and Pinal Counties, Ariz.; and Webb County, Tex., shall be moved only in accordance with the rules and regulations applicable thereto.

Coniferous trees, such as spruce, fir, hemlock, pine, juniper (cedar), and arbor vitæ (white cedar), known and described as "Christmas trees," and parts thereof, and decorative plants of the area quarantined for the gipsy moth (certain parts of New England), such as holly and laurel, known and described as "Christmas greens or greenery," shall not be moved or allowed to move interstate to points outside the quarantined area.

 $<sup>^1</sup>$  On and after July 1, 1915, all pines from all European countries and localities will be excluded.  $^2$  It is proposed to allow the movement of these articles on and after July 1, 1915, under regulation.

Forest plant products, including logs, tan bark, posts, poles, railroad ties, cordwood, and lumber, and field-grown florists' stock, trees, shrubs, vines, cuttings, and other plants and plant products for planting or propagation, of the area quarantined for the gypsy moth (certain parts of New England), excepting fruit pits, seeds of fruit and ornamental trees and shrubs, field, vegetable, and flower seeds, bedding plants, and other herbaceous plants and roots, shall not be moved or allowed to move interstate to any point outside the quarantined area unless and until such plants and plant products have been inspected by the United States Department of Agriculture and pronounced free from the gipsy moth.

Deciduous trees or shrubs of the area quarantined for the browntail moth (certain parts of New England), or such parts thereof as bear leaves, including all deciduous field-grown florists' stock, vines, cuttings, grafts, and scions, but excepting forest-plant products, such as logs, tan bark, posts, poles, railroad ties, cordwood, and lumber, shall not be moved or allowed to move interstate to points outside the quarantined area unless and until such plants and plant products have been inspected by the United States Department of Agriculture and pronounced to be free from the brown-tail moth. Coniferous trees and other evergreen trees are not affected by the brown-tail

moth regulations.

In the case of all foreign quarantines the embargo is absolute.





